

ABSTRACT OF THE DISCLOSURE

The invention provides a font processor that is able to display bitmap fonts used in a mobile phone, a PDA, or the like with a small amount of computation and with high quality. A font processor of the present invention can acquire predetermined data of the bitmap fonts and analyzes the pixel arrangement of the acquired font data by pattern matching. The font processor then generates subpixel fonts that have data in subpixels constituting the pixel of the font data in accordance with the pixel arrangement. A subpixel is an element constituting a pixel. A collection of three subpixels, that is, R (red), G (green), and B (blue) subpixels, generally constitutes one pixel. Analyzing the pixel arrangement and generating the subpixel fonts that are collections of data in subpixels increase the apparent resolution of the font data. Accordingly, finer lines can be drawn and jaggies occurring in diagonal lines of the font data in pixels can be reduced. Performing the processing described above by pattern matching requires only a small amount of computation.